| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CompilationMXBean.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/lang/management/ClassLoadingMXBean.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/management/GarbageCollectorMXBean.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/management/CompilationMXBean.html)    [**NO FRAMES**](http://docs.google.com/CompilationMXBean.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.lang.management**

Interface CompilationMXBean

public interface **CompilationMXBean**

The management interface for the compilation system of the Java virtual machine.

A Java virtual machine has a single instance of the implementation class of this interface. This instance implementing this interface is an [MXBean](http://docs.google.com/ManagementFactory.html#MXBean) that can be obtained by calling the [ManagementFactory.getCompilationMXBean()](http://docs.google.com/java/lang/management/ManagementFactory.html#getCompilationMXBean()) method or from the [platform MBeanServer](http://docs.google.com/java/lang/management/ManagementFactory.html#getPlatformMBeanServer()) method.

The ObjectName for uniquely identifying the MXBean for the compilation system within an MBeanServer is:

[java.lang:type=Compilation](http://docs.google.com/java/lang/management/ManagementFactory.html#COMPILATION_MXBEAN_NAME)

**Since:** 1.5 **See Also:** [JMX Specification.](http://docs.google.com/javax/management/package-summary.html),  [Ways to Access MXBeans](http://docs.google.com/package-summary.html#examples)

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/java/lang/management/CompilationMXBean.html#getName())()            Returns the name of the Just-in-time (JIT) compiler. |
| long | [**getTotalCompilationTime**](http://docs.google.com/java/lang/management/CompilationMXBean.html#getTotalCompilationTime())()            Returns the approximate accumlated elapsed time (in milliseconds) spent in compilation. |
| boolean | [**isCompilationTimeMonitoringSupported**](http://docs.google.com/java/lang/management/CompilationMXBean.html#isCompilationTimeMonitoringSupported())()            Tests if the Java virtual machine supports the monitoring of compilation time. |

| **Method Detail** |
| --- |

### getName

[String](http://docs.google.com/java/lang/String.html) **getName**()

Returns the name of the Just-in-time (JIT) compiler.

**Returns:**the name of the JIT compiler.

### isCompilationTimeMonitoringSupported

boolean **isCompilationTimeMonitoringSupported**()

Tests if the Java virtual machine supports the monitoring of compilation time.

**Returns:**true if the monitoring of compilation time is supported ; false otherwise.

### getTotalCompilationTime

long **getTotalCompilationTime**()

Returns the approximate accumlated elapsed time (in milliseconds) spent in compilation. If multiple threads are used for compilation, this value is summation of the approximate time that each thread spent in compilation.

This method is optionally supported by the platform. A Java virtual machine implementation may not support the compilation time monitoring. The [isCompilationTimeMonitoringSupported()](http://docs.google.com/java/lang/management/CompilationMXBean.html#isCompilationTimeMonitoringSupported()) method can be used to determine if the Java virtual machine supports this operation.

This value does not indicate the level of performance of the Java virtual machine and is not intended for performance comparisons of different virtual machine implementations. The implementations may have different definitions and different measurements of the compilation time.

**Returns:**Compilation time in milliseconds **Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - if the Java virtual machine does not support this operation.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CompilationMXBean.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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